Practitioner ocket No.

12-10-01 508-053.3-1

PATENT

A



Preliminary Classification:

Proposed Class

Subclass

NOTE "All

"All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129'" MPEP § 601, 7th ed

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent and Trademark Office P.O. Box 2327 Arlington, VA 22202

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Floyd R. POTHOVEN and Terry A. POTHOVEN

WARNING: 37 CFR § 1 41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1 63, except as provided for in § 1 53(d)(4) and § 1 63(d) If an oath or declaration as prescribed by § 1 63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1 53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1 17(f) is filed supplying or changing the name or names of the inventor or inventors "

For (title)

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory, Express Mail certification is optional)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, P.O. Box 2327; Arlington, VA 22202

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10 *

with sufficient postage as first class mail

as "Express Mail Post Office to Addressee"

Mailing Label No <u>EV005523565US</u> (mandatory)

TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (703)

Signature

Date: December 6, 2001

Judith Schick

(type or print name of person certifying)

* Only the date of filing (§ 1 6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1 8 continues to be taken into account in determining timeliness See § 1 703(f) Consider "Express Mail Post Office to Addressee" (§ 1 10) or facsimile transmission (§ 1 6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations

(New Application Transmittal [4-1]-page 1 of 12)

1. Type of Application

This new application is for a(n)

	(check one applicable item below)
긏	Original (nonprovisional)
	Design
	☐ Plant
WARNING	: Do not use this transmittal for a completion in the US of an International Application under 35 USC § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application
WARNING	: Do not use this transmittal for the filing of a provisional application
TF	one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION RANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION
	Divisional.
· 🗆	Continuation
	Continuation-in-part (C-I-P)

2. Benefit of Prior U.S. Application(s) (35 U.S C. §§ 119(e), 120, or 121)

NOTE A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U S C § 112 Each prior application must also be:

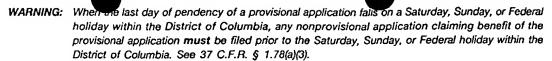
- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America, or
 - (ii) Complete as set forth in § 1 51(b), or
- (iii) Entitled to a filing date as set forth in § 1 53(b) or § 1 53(d) and include the basic filing fee set forth in § 1 16, or
- (iv) Entitled to a filing date as set forth in § 1 53(b) and have paid therein the processing and retention fee set forth in § 1 21(f) within the time period set forth in § 1 53(f)

37 CFR § 1 78(a)(1)

NOTE If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U S C §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U S application that the application makes reference to under 35 U S C §§ 120, 121 or 365(c) (35 U S C § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U S C §§ 119, 365(a) or 365(b)) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205

(New Application Transmittal [4-1]—page 2 of 12)



The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

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J.	rapers	LITUIDEG

J. F	ape	5 Li	nciosea
A.			ed for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153) Application
	5	Pa	ages of specification
	3	Pa	ages of claims
	_2	SI	heets of drawing
WAR	RNING	fili sn dr th	O NOT submit original drawings. A high quality copy of the drawings should be supplied when ing a patent application. The drawings that are submitted to the Office must be on strong, white, mooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the rawings are necessary, they should be made to the original drawing and a high-quality copy of e corrected original drawing then submitted to the Office. Only one copy is required or desired. or comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 7-62).
NOT	in th	vento ne Offi n the	fying indicia, if provided, should include the application number or the title of the invention, or's name, docket number (if any), and the name and telephone number of a person to call if ice is unable to match the drawings to the proper application. This information should be placed back of each sheet of drawing a minimum distance of 1.5 cm. (% inch) down from the top of the control of the c
			(complete the following, if applicable)
		a "l	e enclosed drawing(s) are photograph(s). Three (3) sets of photographs and PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)" are attached. 37 F.R. § 1.84(b).
		"PE	e enclosed drawing(s) are in color. Three (3) sets of color drawings and a ETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. 1.84(a)(2) and 1.84(b).
		forr	mal
	[]	info	ormal
B.	Oth	er P	apers Enclosed .
		Pa	ages of declaration and power of attorney
	_1	Pá	ages of abstract
		_0	ther
4. A	dditi	onal	papers enclosed
		Am	endment to claims
			Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
			Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
			(New Application Transmittal [4-1]—page 3 of 12)

	3	Preli	minary Amendment	
☐ Inform			mation Disclosure Statement (37 C.F.R. § 1.98)	
☐ Form PTO-1449 (PTO/SB/08A and 08B)				
]	Citat	tions	
	כ	Decl	aration of Biological Deposit	
C]	perta	mission of "Sequence Listing," computer readable copy and/or amendment aining thereto for biotechnology invention containing nucleotide and/or no acid sequence.	
]	Auth tive	norization of Attorney(s) to Accept and Follow Instructions from Representa-	
E	3	Spec	cial Comments	
C)	Othe	er	
5. Dec	clai	ratio	n or oath (including power of attorney)	
NOTE:	the by the be	e prior all or aplicati e signa a sta eing fil eclarati erson r	executed declaration is not required in a continuation or divisional application provided that it nonprovisional application contained a declaration as required, the application being filed is it fewer than all the inventors named in the prior application, there is no new matter in the ion being filed, and a copy of the executed declaration filed in the prior application (showing ature or an indication thereon that it was signed) is submitted. The copy must be accompanied tement requesting deletion of the names of person(s) who are not inventors of the application led. If the declaration in the prior application was filed under § 1.47, then a copy of that ion must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)–(3).	
NOTE:	is ab	directo obrevia ountry	ration filed to complete an application must be executed, identify the specification to which it ed, identify each inventor by full name including family name and at least one given name, without ation together with any other given name or initial, and the residence, post office address and or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 is 1.63(a)(1)-(4).	
as prescribed by § 1.62, except as provided for in § as prescribed by § 1.63 is not filed during the pender is that inventorship set forth in the application papers this paragraph accompanied by the fee set forth in		preson preson that in is para	rentorship of a nonprovisional application is that inventorship set forth in the oath or declaration cribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration cribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship eventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under agraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name as of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).	
נ	3	Enc	losed	
		Exe	cuted by	
			(check all applicable boxes)	
			inventor(s).	
			legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.	
			joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.	
			☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.	
É	X	Not	Enclosed.	

NOTE: Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

	4		
	•	epaication is made by a person authorized under 37 Cenalf of all the above named inventor(s).	.F.R. § 1.41(c) or
(The d	declaratio	on or oath, along with the surcharge required by 37 C can be filed subsequently).	.F.R. § 1.16(e)
		Showing that the filing is authorized. (not required unless called into question. 37 C.F.R.	§ 1.41(d))
6. Inve	ntorship	Statement	
WARNIN		named inventors are each not the inventors of all the claims an exp rship of the various claims at the time the last claimed invention itted.	
The in	ventorshi	ip for all the claims in this application are:	
	The sa	ame.	
		or	
		e same. An explanation, including the ownership of the ne the last claimed invention was made,	various claims a
	□ is	submitted.	
	□ wi	ill be submitted.	•
7. Lang	guage		
	An English required by	tion including a signed oath or declaration may be filed in a langua o translation of the non-English language application and the proce y 37 C.F.R. § 1.17(k) is required to be filed with the application, or w the Office. 37 C.F.R. § 1.52(d).	essing fee of \$130.00
K	English	h	
	Non-E	nglish	
		ne attached translation includes a statement that the trite. 37 C.F.R. § 1.52(d).	anslation is accu-
8. Assi	gnment		
\boxtimes	An ass	signment of the invention toITW, Inc.	
	М	attached. A separate ☐ "COVER SHEET FOR ASSIGNENT) ACCOMPANYING NEW PATENT APPLICATION" 595 is also attached.	
	☑ wi	ill follow.	
		nment is submitted with a new application, send two separate letters- or the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).	one for the application
WARNIN		vly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed t application is filed by an assignee. Notice of April 30, 1993, 1150	
	This is	s a continuation divisional application and the	e assignment
-	docum	nent for the parent application 0 /	was filed
	on		
			Reel
			Frame

(New Application Transmittal [4-1]—page 5 of 12)

(New Application Transmittal [4-1]-page 6 of 12)

9. Certified Copy

Certified copy(ies) of application(s)

Country	p	Appln. No.			Filed
Country		Appln. No.			Filed
Country	Α	Appln. No.			Filed
from which priority is claime	d				
is (are) attached.					
will follow.					
NOTE: The foreign application for declaration. 37 C.F.R. §			n for	priority must b	e referred to in the oath or
U.S. application or Intern. § 120 is itself entitled to PAGES FOR NEW APPL CLAIMED.	ational Applicatio priority from a pri ICATION TRANSI	n from which or foreign ap	h this oplica	application cla ition, then com	lirectly relates. If any parent ims benefit under 35 U.S.C. olete item 18 on the ADDED RIOR U.S. APPLICATION(S)
10. Fee Calculation (37 C	.F.R. § 1.16)				
A. 🖺 Regular application	on				
	CLAIM	S AS FILI	ED		
Number filed	Numb	er Extra		Rate	Basic Fee 37 C.F.R. § 1.16(a) \$740.00
Total 17		0			
Claims (37 C.F.R. § 1.16(c))	- 20 =		×	\$ 18.00	
Independent 2		0			
Claims (37 C.F.R. § 1.16(b))	- 3 =		×	\$ 84.00	
Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d))		•	+	\$280.00	
☐ Amendment cand	elling extra c	laims is e	nclo	sed.	
☐ Amendment delet	ting multiple-o	dependen	cies	is enclosed	
☐ Fee for extra clai	ms is not bei	ng paid a	t thi	s time.	
NOTE: If the fees for extra claims prior to the expiration of notice of fee deficiency.	the time period	set for respe	st be onse	paid or the clair by the Patent	ns cancelled by amendment, and Trademark Office in any
	Filing Fee C	alculation	I		\$740.00**
B. Design applicatio (\$330.00-37 C.F					
	Filing Fee C	alculation	I		\$



C. Plant application (\$510.00-37 C.F.R. § 1.16(g))

Filing fee calculation

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11. Assertion of Small Entity Status

	Applicant here	by asserts status	as a sm	nall entity	under 37	C.F.R. §	1.27	7
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NOTE: 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase and states:

- "(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.
 - (1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
 - (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
 - (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in § 1.33(b) (e.g., an attorney or agent registered with the Office), § 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
 - (ii) At least one of the individuals identified as an inventor (even though a § 1.63 executed oath or declaration has not been submitted), notwithstanding § 1.33(b)(4), who can also file the written assertion pursuant to the exception under § 1.33(b) of this part; or
 - (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under § 1.33(b) of this part.
 - (3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.
 - (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in § 1.16(e), or § 1.16(l).
 - (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

WARNING: 37 C.F.R. § 1.27(c)(4): "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of the relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisional, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application."

WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P., § 509.03 (emphasis added).

	(complete the following, if applicable)
☐ Stat	tus as a small entity was asserted in the prior application
is b	eing claimed for this application under:
	U.S.C. § 119(e) 120 121 365(c)
	d which status as a small entity is still proper and asserted for this plication.
	A copy of the written assertion of small entity filed in the prior application is included.
establis for a re	d based on establishment of small entity status, of a portion of fees timely paid in full prior to hing status as a small entity may only be obtained if an assertion under § 1.27(c) and a request fund of the excess amount are filed within three months of the date of the timely payment or fee. The three-month time period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).
Filin	g Fee Calculation (50% of A, B or C above)
	\$
12. Request	for International-Type Search (37 C.F.R. § 1.104(d))
	(complete, if applicable)
	ase prepare an international-type search report for this application at the time national examination on the merits takes place.

14.



13. Fee Payment Being Made at This Time

X] Not	t Enclosed			
	□ X	No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § subsequently.)	1.16(e)	can b	e paid
	Enc	closed			
		Filing fee	\$.		
		Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	· \$.		
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))	\$		
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$ _		
		Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	\$_		
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$_		
1 3 6	failing to 37 C.F.F either th	R. § 1.21(I) establishes a fee for processing and retaining any application complete the application pursuant to 37 C.F.R. § 1.53(f) and this, R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit be basic filing fee must be paid, or the processing and retention fee year from notification under § 53(f).	as well as of a prior t	the cha. J.S. appi	nges to lication,
		Total fees enclosed	\$		
		f Payment of Fees			
		ched is a check money order in the amount of			
	Auth	orization is hereby made to charge the amount of \$.	
		to Deposit Account No.			
		to Credit card as shown on the attached credit card in tion form PTO-2038.	nformatic	n auth	oriza-
WARNING	G: Cred	dit card information should not be included on this form as it may	/ become p	oublic.	
		ge any additional fees required by this paper or cre e manner authorized above.	dit any d	verpay	ment
		A duplicate of this paper is attached.			

15. A	uthorization to Charge Additional Fees			
WARN	ING: If no fees are to be paid on filing, the following items should <u>not</u> be completed.			
WARN	ING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claim charges are authorized.			
ſ	The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entine pendency of this application.			
-	☐ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)			
	37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)			
NOTE:	Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not authorize the PTO to charge additional claim fees, except possibly when dealing with amendment after final action.			
	37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)			
-	☐ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).			
	☐ 37 C.F.R. § 1.17 (application processing fees)			
NOTE:				
	37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance pursuant to 37 C.F.R. § 1.311(b))			
NOTE:	Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).			
NOTE:	37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application prior to paying, or at the time of paying, the issue fee " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.			
16. Ins	structions as to Overpayment			
NOTE:	" Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).			

☐ Credit Account No. _____

□ Refund

Reg. No. 27,550

Tel. No. (203) 261-1234

Customer No. 004955

SIGNATURE OF PRACTITIONER

Alfred A. Fressola

(type or print name of attorney)

Ware, Fressola, Van Der Sluys & Adolphson LLP

P.O. Address

755 Main Street, Building Five

Box 224

Monroe, CT 06468

(New Application Transmittal [4-1]—page 11 of 12)

Incorporation by reference of added pages

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRICH U.S. APPLICATION(S) CLAIMED)

Ţ	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
	Number of pages added5
	Plus Added Pages for Papers Referred to in Item 4 Above
	Number of pages added
	Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
	Number of pages added
	Plus "Assignment Cover Letter Accompanying New Application"
	Number of pages added
State	ment Where No Further Pages Added
	no further pages form a part of this Transmittal, then end this Transmittal with is page and check the following item)
	This transmittal ends with this page.

Practitioner's Docket No	508-053.3-1	PATENT
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ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: See 37 C.F.R. § 1.78.

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number). 37 C.F.R. § 1.78(a)(4).

"This application claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:	FILING DATE
60 / 251,712	
/	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 1 of 5)

B. 35 U.S.C. §5-20, 121 and 365(c)

into one sentence.

	claiming the benefit of one or more prior filed copending non applications designating the United States of America must of first sentence of the specification following the title a reference to it by application number (consisting of the series code and senumber and international filing date and indicating the relation references to other related applications may be made when a § 1.78(a)(2).	ontain or be amended to contain in the o each such prior application, identifying rial number) or international application onship of the applications Cross
ī	☐ "This application is a	
	☐ continuation	
	continuation-in-part	
	☐ divisional	
(of copending application(s)	
	application number 0 /	filed on"
	International Application	filed on
	and which design	ated the U.S."
NOTE:	The proper reference to a prior filed PCT application that ente serial number and the filing date of the PCT application that of	red the U.S. national phase is the U.S. designated the U.S.
NOTE:	(1) Where the application being transmitted adds subject matte the filing can be as a continuation-in-part or (2) if it is desired to can be as a continuation.	er to the International Application, ther o do so for other reasons then the filing
NOTE:	The deadline for entering the national phase in the U.S. for are in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows	n international application was clarified s:
	"The Patent and Trademark Office considers the International a month from the priority date if the United States has been designed Preliminary Examination has been filed prior to the expiration of and until the 32nd month from the priority date if a Demand for which elected the United States of America has been filed prioring the priority date, provided that a copy of the international to the Patent and Trademark Office within the 20 or 30 month international application has not been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively, the international application States 20 or 30 months from the priority date respectively. These as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuand 120 may be filed anytime during the pendency of the international series.	gnated and no Demand for International of the 19th month from the priority date or International Preliminary Examination for to the expiration of the 19th month all application has been communicated the period respectively. If a copy of the patent and Trademark Office within the present abandoned as to the United the periods have been placed in the rules aroung application under 35 U.S.C. 365(c)
	U.S. Provisional Application(s) No(s).:	, claims the benefit of
APPLIC	ATION NO(S).:	FILING DATE
	/	
	/	
	/	

NOTE: "Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application

☐ Where more than one reference is made above, please combine all references

18. Relate Back—35 U.S.C. § 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

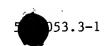
		Country	Appln. no.	Filed on	
The	e cei	rtified copy(ies) has (l	have)		
		been filed on	, in prior application 0	/, wh	ich was
		is (are) attached.			
WAI	RNING	the International Bureau application in the comapplication communical U.S. serial number unstage is not entered. If prosecution of a continuous to request transfer, retrienter and make a recort the priority documents.	the priority application that may hat u may not be relied on without any not intinuing application. This is so be ated by the International Bureau is less the national stage is entered. Sufficiency, such certified copies may nuing application. An alternative woulders and transfer them to the continuitieve the folders, make suitable recontrol of such copies in the Continuing of infolders of international application. Notice of April 28, 1987 (10)	eed to file a certified copy of to cause the certified copy of the placed in a folder and is not ch folders are disposed of if the not be available if needed lead wild be to physically remove to sing application. The resource of notations, transfer the certified Application are substantial. Ac	the priority the priority assigned the national atter in the the priority s required docopies, cordingly,
19.	Ma	intenance of Cope	endency of Prior Applic	ation	
NOTE: The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of November 5, 1985 (1060 0.G. 27).					
A.		Extension of time in	n prior application		
	(Thi:		pleted and the papers filed odd set in the prior application		n,
		A petition, fee and until	response extends the term in	n the pending; prior app	olication
		☐ A copy of the	petition filed in prior applica	tion is attached:	
B.		Conditional Petition	for Extension of Time in Pr	ior Application	
		(complete ti	his item, if previous item no	applicable)	
		A conditional petitic application.	on for extension of time is b	eing filed in the pendir	g prior
		☐ A copy of the o	conditional petition filed in the	e prior application is at	tached.

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 3 of 5)

20. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

(complete applicable item (a), (b) and/or (c) below)

(a) X		This application discloses and claims only subject matter disclosed in application whose particulars are set out above and the inventor application are		
		IX	the same.	
			less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:	
			(type name(s) of inventor(s) to be deleted)	
(b) 🗆		This application discloses and claims additional disclosure by amendment a new declaration or oath is being filed. With respect to the prior application are		
			the same.	
			the following additional inventor(s) have been added:	
			(type name(s) of inventor(s) to be added)	
(c)		The	inventorship for all the claims in this application are	
			the same.	
			not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made	
			is submitted.	
			will be submitted.	



21. Abandonment of Prior Application (if applicable)

Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

NOTE: According to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-inpart application is a proper response with respect to a petition for extension of time or a petition to revive and should include the express abandonment of the prior application conditioned upon the granting of the petition and the granting of a filing date to the continuing application.

22. Petition for Suspension of Prosecution for the Time Necessary to File an Amendment

WARNING: "The claims of a new application may be finally rejected in the first Office action in those situations where (A) the new application is a continuing application of, or a substitute for, an earlier application, and (B) all the claims of the new application (1) are drawn to the same invention claimed in the earlier application, and (2) would have been properly finally rejected on the grounds of art of record in the next Office action if they had been entered in the earlier application." M.P.E.P., § 706.07(b), 7th ed.

NOTE: Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) it may be desirable to file a petition for suspension of prosecution for the time necessary.

(check the next item, if applicable)

☐ There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently)

23. Small Entity (37 C.F.R. § 1.28(a))

	Applicant has established small entity status by the filing of a statement in parent application / on
	☐ A copy of the statement previously filed is included.
WARNING:	See 37 C.F.R. § 1.28(a).
MADARNO.	"Constitution and and he make link and the same and an arrangement of the same and

WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P., § 509.03, 7th ed. (emphasis added).

24. NOTIFICATION IN PARENT APPLICATION OF THIS FILING

A notification of the filing of this (check one of the following)		
	continuation	
	continuation-in-part	
. 🛘	divisional	

is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

[4-1.1]—page 5 of 5)